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Claims

1. Cellular communication system for wireless telecommunication on the basis of an
10 orthogonal frequency division multiplex (OFDM) scheme, comprising a plurality of
basestations (B), whereby at least one basestation (B) is allocated to each cell (C) of the
communication system and whereby information communicated from said basestation
comprises data parts and pilot parts,

characterized in,

15 that a frequency reuse factor of the data parts is different from a frequency reuse factor
of the pilot parts.

2. Cellular communication system according to claim 1,

characterized in,

20 that the frequency reuse factor of the data parts is smaller than the one of the pilot
parts.

3. Cellular communication system according to claim 1 or 2,

characterized in,

25 that the frequency reuse factor of the data parts is 3 and the one of the pilot parts is 9.

4. Method for operating a cellular communication system for wireless
telecommunication on the basis of an orthogonal frequency division multiplex (OFDM)
scheme, whereby information communicated within the cells of the communication
30 system comprises data parts and pilot parts,

characterized in,

that a frequency reuse factor of the data parts is different from a frequency reuse factor
of the pilot parts.

35 5. Method for operating a cellular communication system according to claim 4,

characterized in,

that the frequency reuse factor of the data parts is smaller than the one of the pilot
parts.

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6. Method for operating a cellular communication system according to claim 4 or 5,
characterized in,
that the frequency reuse factor of the data parts is 3 and the one of the pilot parts is 9.